

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 G01R33/3415

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G01R

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2003/038632 A1 (KING SCOTT B ET AL) 27 February 2003 (2003-02-27) paragraphs '0017! - '0039!; figures 1,2,4	1-10
X	US 5 592 088 A (MATSUNAGA YOSHIKUNI ET AL) 7 January 1997 (1997-01-07) column 4, line 9 - column 9, line 7; figures 3-5,9,11	1-10
X	WO 97/26548 A (PHILIPS ELECTRONICS NV ; PHILIPS NORDEN AB (SE)) 24 July 1997 (1997-07-24) page 4, line 29 - page 7, line 2; figures 2-4	1-10
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

13 January 2005

Date of mailing of the international search report

21/01/2005

Name and mailing address of the ISA

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 471 142 A (WANG JIANMIN) 28 November 1995 (1995-11-28) column 4, line 1 - column 5, line 26; figure 8	1-10
X	WO 02/065907 A (TAKAHASHI TETSUHIKO ; TAKIZAWA MASAHIRO (JP); OCHI HISAAKI (JP); TANIG) 29 August 2002 (2002-08-29) see the passages of EP1 371 327	1-10
P, X	& EP 1 371 327 A (HITACHI MEDICAL CORP) 17 December 2003 (2003-12-17) paragraphs '0027! - '0059!; figures 1,3,7-9	1-10
X	EP 1 319 957 A (TOKYO SHIBAURA ELECTRIC CO) 18 June 2003 (2003-06-18) paragraphs '0050! - '0147!, '0195!, '0196!; figures 1-16	1-10
A	WALSH D O ET AL: "ADAPTIVE RECONSTRUCTION OF PHASED ARRAY MR IMAGERY" MAGNETIC RESONANCE IN MEDICINE, ACADEMIC PRESS, DULUTH, MN, US, vol. 43, no. 5, May 2000 (2000-05), pages 682-690, XP000920132 ISSN: 0740-3194 see pages 682-683 and chapters 'Fast Reconstruction for Real-Time Imaging' and 'Multicoil Reconstruction Prior to Image Formation'	1-10
A	US 5 633 585 A (KUHN MICHAEL) 27 May 1997 (1997-05-27) column 3, line 15 - column 4, line 38; figures 1,2	1-5,7-10

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 2003038632	A1	27-02-2003	EP	1412769 A2	28-04-2004
			WO	03003037 A2	09-01-2003
US 5592088	A	07-01-1997	JP	2680235 B2	19-11-1997
			JP	6047020 A	22-02-1994
			US	5457386 A	10-10-1995
WO 9726548	A	24-07-1997	EP	0815462 A1	07-01-1998
			WO	9726548 A1	24-07-1997
			JP	11502756 T	09-03-1999
			US	5861749 A	19-01-1999
US 5471142	A	28-11-1995	DE	4232827 A1	31-03-1994
			JP	3391860 B2	31-03-2003
			JP	6261880 A	20-09-1994
WO 02065907	A	29-08-2002	JP	2002248089 A	03-09-2002
			JP	2002315731 A	29-10-2002
			EP	1371327 A1	17-12-2003
			WO	02065907 A1	29-08-2002
			US	2004135579 A1	15-07-2004
EP 1371327	A	17-12-2003	JP	2002248089 A	03-09-2002
			JP	2002315731 A	29-10-2002
			EP	1371327 A1	17-12-2003
			US	2004135579 A1	15-07-2004
			WO	02065907 A1	29-08-2002
EP 1319957	A	18-06-2003	JP	3455530 B1	14-10-2003
			JP	2003334177 A	25-11-2003
			CN	1450358 A	22-10-2003
			EP	1319957 A1	18-06-2003
			US	2003132750 A1	17-07-2003
US 5633585	A	27-05-1997	DE	4444061 A1	13-06-1996
			EP	0716314 A1	12-06-1996
			JP	8224221 A	03-09-1996